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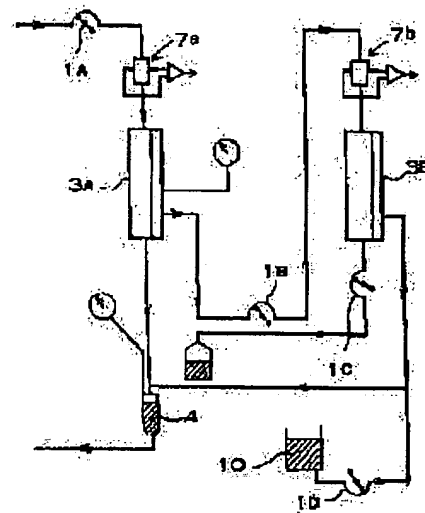
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(54) CLOGGING DETECTING METHOD FOR BODY FLUID EXTERNAL CIRCULATING DEVICE

(57) Abstract:

PURPOSE: To detect clogging on the discharge side of a roller pump with body fluids out of contact with the air by connecting an electromagnetic flowmeter to the discharge side of the roller pump, thereby detecting one of the amplitude, the peak value and change value of the pulsating body fluid quantity.

CONSTITUTION: A first electromagnetic flowmeter 7a is connected to the discharge side of a first roller pump 1A for sucking a body fluid, for example, blood, and a first filter 3A for separating the blood into blood plasma and blood corpuscles is connected to the discharge side of the flowmeter. A second filter 3B for separating the blood plasma into a high molecular substance and a low molecular substance is connected to the discharge side of a second roller pump 1B for transferring the blood corpuscles filtered by the first filter 3A through a second electromagnetic flowmeter 7b. Further, a drip chamber 4 is disposed for mixing the low molecular substance separated by the second filter 3B with the blood corpuscles, and a supply container 10 is connected to the supply side of the chamber 4 through a fourth roller pump 1D. Thus, clogging of the respective filters 3A, 3B is detected by the respective electromagnetic flowmeters 7a, 7b.



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